

## CLAIMS

What is claimed is:

1. A network dial-up servo method, for use with a network dial-up servo system including a network dial-up service module, a query request input interface, a searching engine control module, a complete contrast searching engine, a fuzzy contrast searching engine, a database, a message data control module and an output control module, wherein the database of the network dial-up servo system stores number-type indexes, and the indexes correspond to address data relating to web sites in World Wide Web stored in the database, for allowing a user to input a number to an input box in a browser of the user's computer and retrieve the web sites through network dial-up servo system; the network dial-up servo method comprising the steps of:

- (1) establishing network connection of a user's computer to the network dial-up service module through a telephone line, for allowing a user to input a number to an input box in a browser of the user's computer and generate a query request to the network dial-up servo system for accessing a web site through the network dial-up servo system;
- (2) receiving the query request from the user and inputting the query request via the network dial-up service module to the query request input interface;
- (3) receiving the query request from the network dial-up service module and activating the searching engine control module via the query request input interface; transferring the query request to the searching engine control module via the query request input interface;
- (4) receiving the query request from the query request input interface via the searching engine control module; controlling and managing the complete contrast searching engine and the fuzzy contrast searching engine, and transferring the query request to the complete contrast searching engine via the searching engine control module;
- (5) performing a complete contrast process between the number input by the user and a TCP/IP address in the use of the database via the complete contrast searching engine, for searching a web site corresponding to the number and transferring address data relating to the corresponding web site to the searching engine control module; if no available corresponding web site, the complete contrast searching engine inputting the number to the fuzzy contrast

searching engine, and the fuzzy contrast searching engine performing a fuzzy contrast process between the number input from the complete contrast searching engine and a TCP/IP address in the use of the database, so as to search a web site relating to the number and transfer address data relating to the related web site to the searching engine control module;

- (6) receiving the address data relating to the corresponding web site or the related web site from the complete contrast searching engine or the fuzzy contrast searching engine via the searching engine control module, and transferring a TCP/IP address of the corresponding web site or the related web site to the message data control module; and
  - (7) retrieving the corresponding web site or the related web site according to the TCP/IP address from the searching engine control module via the message data control module, and connecting the user's computer to the retrieved web site for displaying a homepage of the retrieved web site in the browser of the user's computer through the output control module.

2. The network dial-up servo method of claim 1, wherein the step (5) comprises

the steps of:

- (5-1) performing a complete contrast process between the number input by the user and a TCP/IP address in the use of the database via the complete contrast searching engine, so as to search a web site corresponding to the number in a complete contrast manner; if the corresponding web site being available, the complete contrast searching engine transferring address data relating to the corresponding web site to the searching engine control module; if no available corresponding web site, the complete contrast searching engine inputting the number to the fuzzy contrast searching engine, and performing step (5-2); and

(5-2) performing a fuzzy contrast process between the number input from the complete contrast searching engine and a TCP/IP address in the use of the database via the fuzzy contrast searching engine, so as to search a web site relating to the number in a fuzzy contrast manner and transfer address data relating to the related web site to the searching engine control module.

3. The network dial-up servo system of claim 1, further consisting the step of viewing the homepage of the retrieved web site in the browser of the user's computer via

the output control module controlled by the message data control module, subsequent to the completion of step (7).

4. The network dial-up servo method of claim 1, further comprising the step of performing a fuzzy contrast process between the number input from the complete contrast 5 searching engine and a TCP/IP address in the use of the database via the fuzzy contrast searching engine, so as to search a web site relating to the number in a fuzzy contrast manner and transfer address data relating to the related web site to the searching engine control module, subsequent to the completion of step (5).

5. The network dial-up servo system, for use in Internet, having number-type 10 indexes corresponding to address data relating to web sites in World Wide Web, for allowing a user to input a number to an input box in a browser of the user's computer and retrieve the web sites through the network dial-up servo system; the network dial-up servo system comprising:

15 a data base for storing number-type indexes corresponding to address data relating to web sites in World Wide Web, and classifying the web sites according to numbers of the corresponding number-type indexes, wherein if additional data relating to new web sites are provided for the database, corresponding number-type indexes are increased in the database for the new web sites.

6. The network dial-up servo system, for use in Internet, having number-type 20 indexes corresponding to address data relating to web sites in World Wide Web, for allowing a user to input a number to an input box in a browser of the user's computer and retrieve the web sites through the network dial-up servo system; the network dial-up servo system comprising:

25 a network dial-up service module for providing network dial-up service to establish network connection of the user's computer to the network dial-up service module through a telephone line for a user having an account and access in the network dial-up service module, so as to allow the user to input a number to an input box in a browser of the user's computer and generate a query request to the network dial-up servo system for accessing a web site through the network dial-up servo system, wherein the query request is transferred by the 30 network dial-up service module to a query request input interface;

a query request input interface for receiving the query request from the network dial-up service module, and activating a searching engine control module so as to transfer the query request to the searching engine control module;

a searching engine control module for receiving the query request from the query request input interface, and controlling and managing a complete contrast searching engine, wherein the query request is transferred to the complete contrast searching engine for performing a contrast process, and a result from the contrast process is transferred to a  
5 message data control module;

a complete contrast searching engine for receiving the query request from the searching engine control module and performing a contrast process between the number input by the user and a TCP/IP address in the use of a database, so as to search a web site corresponding to the number in a complete contrast manner and transfer address data relating  
10 to the corresponding web site to a searching engine control module;

a database for storing number-type indexes corresponding to address data relating to web sites in World Wide Web, and classifying the web sites according to numbers of the corresponding number-type indexes, wherein if additional data relating to new web sites are provided for the database, corresponding number-type indexes are increased in the database  
15 for the new web sites;

a message data control module for receiving the address data relating to the corresponding web site from the searching engine control module, and retrieving the corresponding web site according to a TCP/IP address of the corresponding web site, so as to connect the user's computer to the retrieved web site and control an output control module  
20 for displaying a homepage of the retrieved web site in the browser of the user's computer; and

an output control module controlled by the message data control module, for transferring the homepage of the retrieved web site to the browser of the user's computer.

7. The network dial-up servo system of claim 6, further comprising:

a fuzzy contrast searching engine for receiving the number from the complete contrast searching engine and performing a fuzzy contrast process between the number and a TCP/IP address in the use of the database via the fuzzy contrast searching engine, so as to search a web site relating to the number in a fuzzy contrast manner that the related web site is obtained even if the number is complete or not entirely correct, and to transfer address data  
30 relating to the related web site to the searching engine control module.